

## **PPL13 PROJECT FACT SHEET**

March 21, 2003

**Project Name and Number:** Shell Island Barrier Protection (2-4)

### **Coast 2050 Strategy:**

Regional: #21, restore/maintain barrier headlands, islands and shorelines  
Coastwide: Maintenance of Gulf, Bay and Lake Shoreline Integrity.

**Project Location:** Region 2, Barataria Basin, Plaquemines Parish, west of Empire Waterway

**Problem:** Historic and future loss is high (erosion rate of 115.4 ft/yr.). The historic island protected interior bays and marsh when it was present.

**Goals:** Provide shoreline protection for the eastern portion of Shell Island, thereby adding protection to the interior marsh and beach areas.

**Proposed Solution:** Reestablish some barrier protection for portions of Shell Island by constructing approximately 8,000 ft. of rock shoreline protection.

**Preliminary Project Benefits:** Restore some shoreline protection for the eastern portion of Shell Island, just west of the Empire jetty.

### **Compatibility with Coast 2050 Criteria:**

Wetland Elevation/Sustainability: The project sustains <250 acres amount of emergent wetlands over the project life.

Ecosystem Influence Area: The project beneficially influences <1,000 acres.

Structural Framework: The project maintains or restores a structural component of the coastal ecosystem that benefits greater than 75% of the ecosystem area for 10 - 20 years.

Infrastructure: The project has a net positive impact on non-critical infrastructure.

Organism and Material Linkages: The project allows a natural level of organism and material exchange consistent with the sustainability of the ecosystem.

Coast 2050 Habitat Objectives: The project has no effect on Coast 2050 habitat objectives.

Project Synergy: The project provides no synergistic effect with other approved restoration projects.

**Identification of Potential Issues:**

Oysters: yes

Land rights: yes

Pipelines/utilities: yes

O&M: moderate

**Preliminary Construction Costs:**

Fully funded: \$15 - \$20M

Est. construction cost w/ contingencies: \$9.625M

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